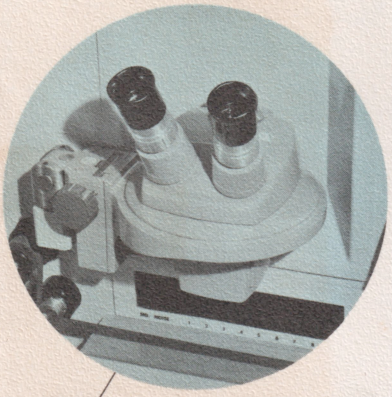
GKI

model 97

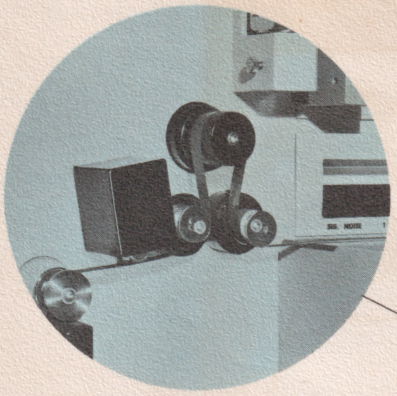
COMPUTER TAPE TESTER

Some of the Features that Make the GKI Model 97 Tester a Flexible, Precise, Pro



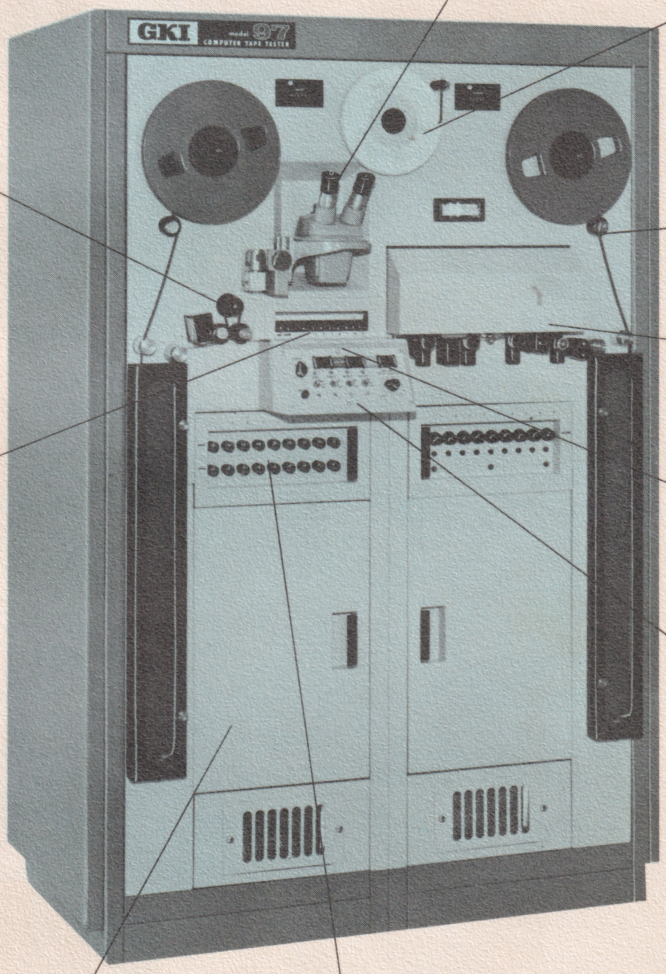
MICROSCOPE

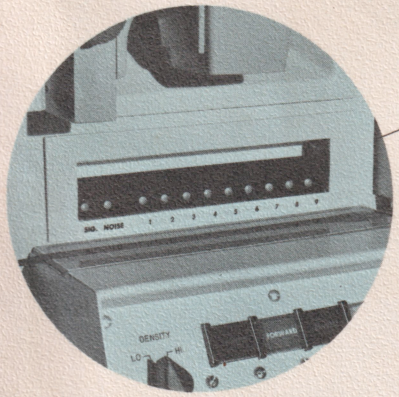
Stereo-zoom microscope is always in position for instant use for microscopic examination of error regions. Magnification adjustable from 7 to 30 power. Can be swung out of tape path on pivot if desired.



WRAP CAPSTAN

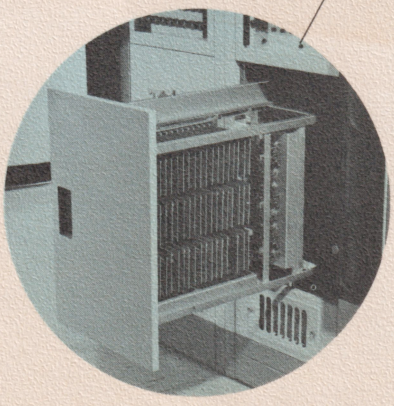
Wrap capstan insures smooth starting, driving, and stopping. Eliminates capstan burns and tape damage. The oxide surface is never touched by a driving or braking mechanism.





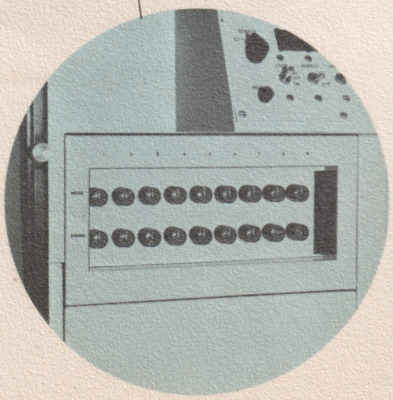
ERROR TRACK INDICATORS

Error track lights — one for each track — are located directly behind the tape at the work station. During test, flashing lights indicate each track in which a fault appears, and whether error is signal or noise. Appropriate lights remain lit during inspection of errors.



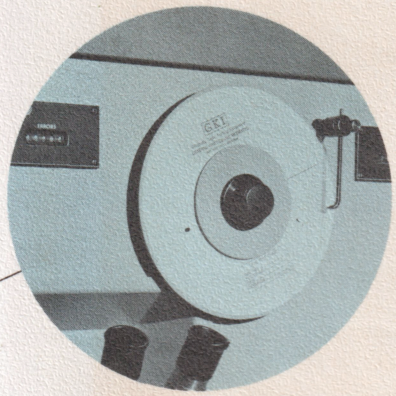
MODULAR SOLID STATE CIRCUITRY

All circuits are solid state. Circuit cards are carried in track-mounted trays for ready accessibility. Modular construction is used throughout for ease of maintenance.



CALIBRATION CO

Signal and noise controls are conve cated at the front chine. "Clock dia facilitate setting ar calibration. Built-in meter aids in calib monitors signal leve



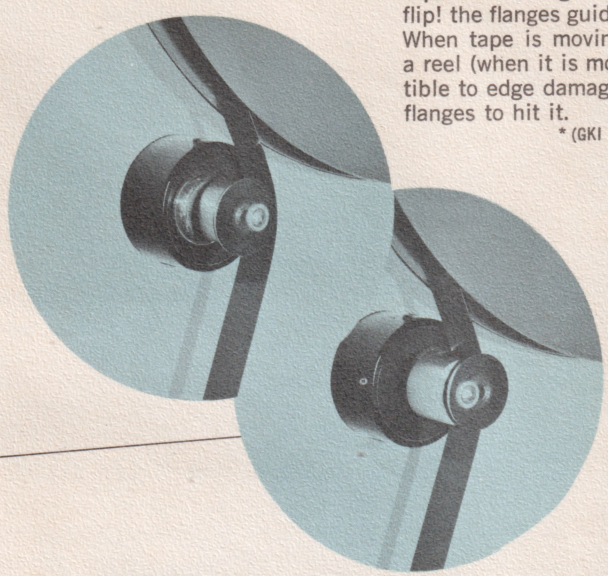
GRAPHIC ERROR CHART

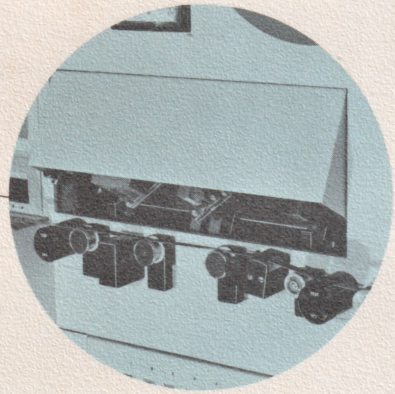
The error chart shows the number and location of error regions. It tracks tape motion accurately in forward and reverse. (The reverse capability is vital to correcting error regions on the return pass.) Circular chart fits easily into tape case. Counters total number of feet and number of errors for each reel.

FLIP-FLOP GUIDES*

Flip-flop guides guard against damage to edges of tape. When tape is moving onto a reel, flip! the flanges guide the tape. When tape is moving off from a reel (when it is most susceptible to edge damage), flop! no flanges to hit it.

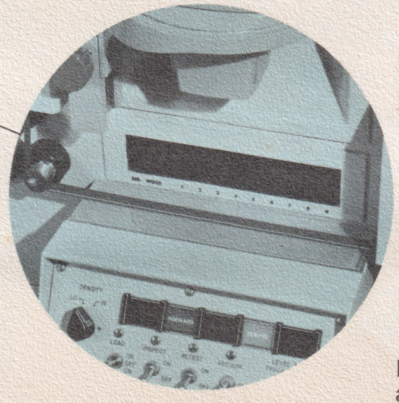
* (GKI patent pending)





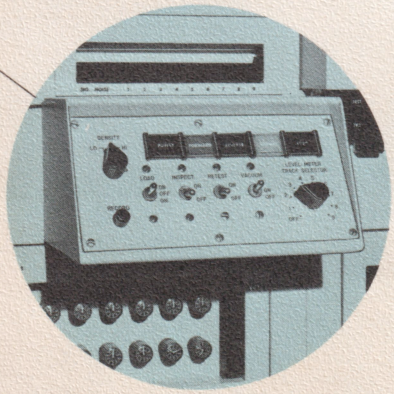
RETRACTABLE HEAD ASSEMBLY

Head assembly retracts for loading and during reverse and rewind. Note precision tape guiding in vicinity of heads. Both sides of tape are cleaned and debris carried away by proprietary cleaning heads.



OPERATOR'S WORK STATION

Lighted 10x4½" work station is always in position for repair of flaws. Error regions can be stopped within ±1/10" in either forward or reverse. When flaws are clumped, the large work table makes it easy to scan and repair 10" of tape at each error stop.



CONTROL PANEL

All operating controls are located in one convenient control panel. Switches are computer console illuminated push buttons. Operator controls are minimized—many tester functions are automatic.

NTROLS

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EVERY FEATURE USEFUL IN CERTIFYING OR REHABILITATING TAPE FOR RELIABLE PERFORMANCE

THE GKI MODEL 97 IS A FLEXIBLE TESTER

It provides the capability for 9-track, 7-track, full-width, and "Total Surface" (IBM's 5-and-4 track array) testing.

Any two densities—556 bpi, 800 bpi, or 3200 fci—are standard; additional densities optional.

THE GKI MODEL 97 IS A PRODUCTION TESTER

It is easy to operate. All operating controls are in one convenient control panel.

It starts fast; stops fast—and accurately—with error region at exact center of work station.

Standard model tests at 112.5 ips; reverses at 112.5 ips; rewinds at 225 ips; higher speeds optional.

It tests for signal and noise simultaneously on one pass.

The operator has the option of examining an error region during the test pass or during reverse.

It is completely self-contained, even providing for monitoring and calibration by a built-in signal level meter. Calibration can be readily accomplished by the operator in less than 5 minutes.

THE GKI MODEL 97 IS A PRECISE TESTER. TESTS ON IT ARE MEANINGFUL

Signal and noise heads are selected for compatibility with the computer on which the tape to be tested will be used.

Its automatic retest feature can be set to examine an error region up to three times to discriminate between transient errors and true tape flaws. Before each retest the tape is passed over both cleaning heads to remove any loose objects causing transient errors.

It gives a precise indication of the way in which the tape under test will perform on a specified tape unit.

It can be calibrated throughout a wide range to meet the requirements of manufacturer's standards, government tape specifications, or the signal and noise threshold level of any individual computer.

THE GKI MODEL 97 IS CAREFUL WITH YOUR TAPE

Vacuum columns are used to isolate the test area and provide exact tension control.

Wrap capstan provides damage-free driving and stopping (no pinch rollers).

Head assembly retracts for rewind, and for loading.

Flip flop (direction-sensing) guides guard against edge damage.

THE GKI MODEL 97 IS AN AUTOMATIC TESTER

Automatic loading of tape in vacuum columns.

Automatic start of test at BOT marker.

Automatic stop with error region centered on work station.

Automatic re-try of error region after manual repair.

Automatic stop of test at EOT marker.

THE GKI 97 IS EASY TO MAINTAIN

Circuit cards are easily accessible; all are in slide-mounted trays.

Each individual circuit card has color-coded test points for fast preventive maintenance.

PHYSICAL SPECIFICATIONS

Power Requirements: 2500 watts, 60 cycle AC, 115V or 220V.

Dimensions: 70" high x 46 5/8" wide x 28 1/2" deep.

Weight: 925 lbs.

CONSTRUCTION DETAILS

The tape transport mechanism is mounted rigidly on a cast panel.

Printed circuit servo motors are used for both supply and takeup reels.

Tape control is provided by multiple sensors in each vacuum column, and SCR servo-motor controls, for smooth and precise tape movement.

GKI
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